WHAT IS CLAIMED

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- An assembly for interfacing an information device with a host computer unit, comprising a cartridge that is insertable into a cartridge insertion opening of said host computer unit, and is configured to receive and protectively retain an information device removable electrical and mechanical engagement with an internal electrical connector of said host computer unit that is accessible by way of said cartridge insertion opening of said host computer unit, and an external unit electrical connector that provides external electrical access to said information device.
- 2. The assembly according to claim 1, wherein said cartridge includes a faceplate having a sealing member that is sized to surround said cartridge insertion opening, so as to become sealed against said host computer unit by insertion of said cartridge into said cartridge insertion opening, and thereby prevent moisture and foreign matter from entering the interior of said host computer unit through said cartridge insertion opening.
- 3. The assembly according to claim 1, wherein said cartridge has a first portion that is configured to receive and protectively house a first information device for removable electrical and mechanical engagement with said internal electrical connector of

said host computer unit, and a second portion that is configured to receive and protectively house a second information device separate from said first information device.

- 4. The assembly according to claim 3, wherein said electrical connector unit is configurable to provide external electrical access to said first and second information devices.
- 5. The assembly according to claim 4, wherein said cartridge has a faceplate that is sealable against an exterior surface of said host computer unit adjacent to said cartridge-insertion opening, and wherein said faceplate includes a first connector that provides external access to said first information device, and a second connector that provides external access to said second information device.
 - 6. The assembly according to claim 3, wherein said second portion is configured to receive and protectively house said second information device for removable electrical and mechanical engagement with an associated internal electrical connector of said host computer unit.
 - 7. The assembly according to claim 1, wherein said cartridge-insertion opening of said computer unit is configured to bring a connector of said information

device retained by said cartridge into aligned engagement with said internal electrical connector of said host computer unit.

- 8. The assembly according to claim 7, wherein said cartridge-insertion opening is configured to prevent said information device from becoming dislodged from said cartridge in the course of removal of said cartridge from said host computer unit.
 - 9. The assembly according to claim 7, wherein said cartridge-insertion opening is configured to prevent said connector of said information device from remaining engaged with said internal electrical connector of said host computer unit in the course of removal of said cartridge from said host computer unit.
 - 10. The assembly according to claim 3, wherein said first information device comprises a PCMCIA (Personal Computer Memory Card International Association) type card and said second information device comprises a memory device.
 - 11. The assembly according to claim 5, wherein said faceplate further includes a movable element between said first and second connectors and being selectively positionable so as to allow an external electrical connection to only one of said first and second connectors at a time.

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- 12. The assembly according to claim 11, wherein said faceplate and said movable element are configured to provide external optical access to an optical indicator on said first information device.
- 13. The assembly according to claim 1, wherein said cartridge includes a support surface upon which said information device is supported, and a hold-down spring element, that is configured to be spring-biased against said information device installed on said support surface, so as to mechanically urge said information device against said support surface of said cartridge.
- 14. The assembly according to claim 13, wherein said cartridge further includes a generally flexible device-retention tang sized to engage said information device as retained on said support surface of said cartridge, and thereby prevent translation of said information device relative to said cartridge.
- 15. The assembly according to claim 14, wherein said cartridge-insertion opening includes a capture plate configured to engage said retention tang and urge said tang against said information device, in the course of insertion of said cartridge into said cartridge insertion opening that brings said connector of said information device, as retained by said cartridge, into aligned engagement with said internal electrical

connector of said host computer unit and, in the course

of removal of said cartridge from said cartridge
insertion opening, to continue to engage said retention
tang and urge said tang against said information device,
until said connector of said information device has
become fully disengaged from said internal electrical

connector of said host computer unit.

- 16. The assembly according to claim 3, wherein said cartridge includes a frame having a first support surface upon which said first information device is removably supported, and a second support surface upon which said second information device is removably captured so as to be physically and mechanically isolated from said first information device.
- 17. The assembly according to claim 1, wherein said cartridge-insertion opening is configured to prevent mutual engagement between internal circuit components of said host computer unit and said cartridge during insertion and removal of said cartridge.
- 18. A computer interface comprising a cartridge that is insertable into a cartridge insertion slot of said computer, and is configured to retain a first information device, such as PCMCIA type card, at a first portion thereof for engagement with an internal electrical connector of said computer, and is configured to retain a second information device, such as a memory

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drive, at a second portion thereof, so that said second information device is mechanically and electrically isolated from said first information device, and wherein said cartridge is configured to retain said first information device in a manner that prevents translation thereof relative to said cartridge during removal of said cartridge from said computer.

- 19. An interface for a host computer unit comprising a cartridge configured to removably retain and protect a first information device for removable electrical and mechanical engagement with an internal electrical connector of said host computer unit, and to removably retain and protect a second information device in a manner that is physically and mechanically isolated from said first information device.
- 20. The interface according to claim 19, wherein said first and second information devices are selected from a PCMCIA (Personal Computer Memory Card International Association) type card and a memory device.
- 21. The interface according to claim 19, wherein said cartridge includes an external electrical connector unit that is configured to provide external electrical access to only one said first and second information devices at a time.

- 22. The interface according to claim 19, wherein said host computer unit has a cartridge-insertion slot configured to provide for the insertion of said cartridge therein and bring a connector of said first information device retained by said cartridge into aligned engagement with said internal electrical connector of said host computer unit, while preventing said first information device from becoming dislodged from said cartridge in the course of removal of said cartridge from said host computer unit.
- 23. The interface according to claim 22, wherein said cartridge includes a first support surface upon which said first information device is retained by a hold-down spring element mechanically urged thereagainst, and a generally flexible retention tang that engages said first information device and prevents translation of said first information device relative to said cartridge.
 - 24. The interface according to claim 23, wherein said cartridge-insertion slot includes a capture plate, that is configured to engage said tang and urge said tang against said first information device in the course of insertion of said cartridge into said cartridge insertion slot that brings said connector of said first information device, as retained by said cartridge, into aligned engagement with said internal electrical connector of said host computer unit and, in the course

- of removal of said cartridge from said cartridge insertion slot, to continue to engage said tang and urge said tang against said first information device, until said connector of said first information device has become fully disengaged from said internal electrical connector of said host computer unit.
 - 25. A method for removably coupling an information device with an internal electrical connector of a host computer unit, said method comprising the steps of:
 - (a) installing said information device on a cartridge that is configured to support said information device for removable electrical and mechanical engagement with said internal electrical connector of said host computer unit, and provides electrical access to said information device; and
- 10 (b) inserting said cartridge upon which said information device has been installed in step (a) into a cartridge-insertion slot of said host computer unit, so as to bring a connector of said information device as retained by said cartridge into aligned engagement with said internal electrical connector of said host computer unit, and engaging said information device in a manner that prevents said information device from becoming dislodged from said cartridge in the course of removal of said cartridge from said host computer unit.
 - 26. The method according to claim 25, wherein said information device comprises a PCMCIA (Personal Computer

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Memory Card International Association) type card.

- 27. The method according to claim 25, wherein said cartridge includes a hold-down spring element adapted to mechanically retain said information device thereon as inserted in step (a), and a generally flexible retention element that engages said information device and prevents translation of said information device relative to said cartridge during insertion of said cartridge into said cartridge-insertion slot of said host computer unit in step (b).
- The method according to claim 27, wherein said cartridge-insertion slot includes a capture plate configured to engage said retention element and urge said retention element against said information device, in the course of insertion of said cartridge into said cartridge insertion slot in step (b), so as to bring said connector of said information device, as retained by said cartridge, into aligned engagement with said internal electrical connector of said host computer unit in the course of subsequent removal of said cartridge from said cartridge insertion slot, continue to engage said retention element and urge said retention element against said information device, until said connector of said information device has become fully disengaged from said internal electrical connector of said host computer unit.

29. The method according to claim 25, wherein step (a) further includes installing a second information device at a portion of said cartridge that is mechanically and electrically isolated from said first information device.